

ABSTRACT OF THE DISCLOSURE

Time tracking units with decision statistics mitigating or correcting for influences from nearby interfering paths. Interference mitigation is accomplished by appropriately selecting the parameters of the time tracking unit so that the contribution of the interference on the decision statistics of the time tracking unit is minimized. Interference cancellation is accomplished by evaluating and subtracting of the effect from the interfering paths on the decision statistics of the time tracking unit. Both urban and indoor communications may incorporate the interference avoidance or interference correction either in each time tracking unit of a rake-type receiver by inter-unit communication of timing adjustments and path energies or by software within a common processor.